

# Incinerator

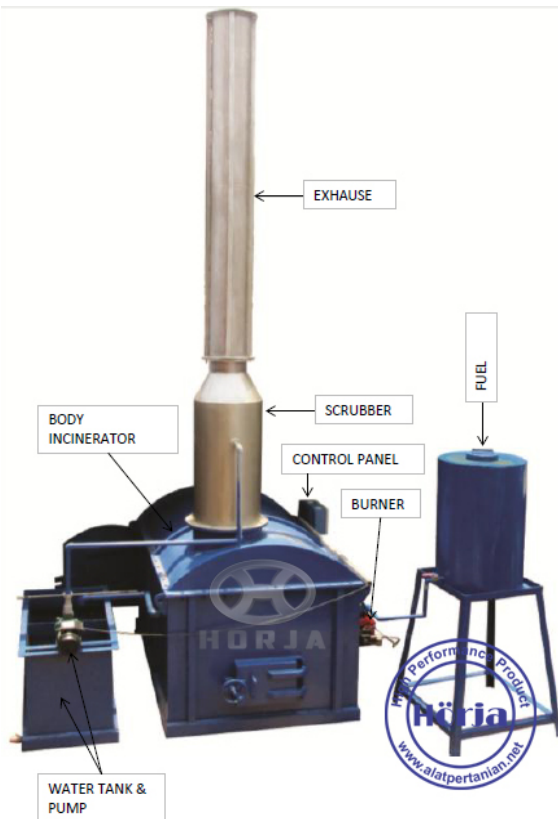
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## 1. Incinerator CAP. 0,5 m3/batch Double Burner with Scrubber



### Spesifikasi :

Kapasitas : 150 Liter, density 0,15 = 22,5 Kg/batch

\* Operation Time :8 hour/day

Chamber Volume :

\* 1st Chamber : 0.5 m<sup>3</sup> ( 80 cm x 80 cm x 80 cm)

\* Second Chamber : 0.2 m<sup>3</sup> ( L. 31 cm x W. 80 cm x. H.80 cm)

\* Incinerator Dimension (Outter)

- Length : 163 cm

- Width : 120 cm

- Height : 122 cm

Burner

\* 1st Burner : 5 ~ 10 liter/hour, Light Oil Burner, Qty : 1 unit

\* 2nd Burner : 5 ~ 10 liter/hour, Light Oil Burner, Qty : 1 unit

\* Motor : 220V / 50 Hz/ 1 Phase: 150 Watt x 2 : 300 Watt

Chamber Temperature :

\* 1st Chamber : 800 ~ 1000°C

\* 2nd Chamber : 1000 ~ 1200°C

Exhaust Stack dan Scrubber

\* Scrubber dia : 450 mm x 1200 mm

\* Stack dia : 250 mm

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\* Height :  $\pm$  8 m. from ground level

\* Sampling Port :  $\varnothing$ 4"

\* Coating : High Temp.Paint 600<sup>o</sup>

Insulation and refractory construction materials :

\* Fire Brick : Fire Brick SK 34

\* Castable : CAJ-14

\* Ceramic Fibre : 128 kg/m<sup>3</sup>

\* Rockwool : 60 kg/m<sup>3</sup>

\* Glasswool : 20 kg/m<sup>3</sup>

\* Bottom : Insulating Brick

Shell & Structure Material Chamber :

\* Shell Plate : Mild Steel thickness 4 mm

\* Joint Flange : Mild Steel thickness 12 mm

\* Burner Port : Mild Steel thickness 10 mm

\* Plenum : Mild Steel thickness 6 mm

\* Lifter : Mild Steel thickness 12 mm

\* Structure : UNP 80 & UNP 50

\* Coating : Epoxy Paint

Blower 1 unit

\* Type Sentrifugal :  $\varnothing$ 3 Inchi, 220V, 370W

\* RPM : 3000 / 3600

Diesel Oil Fuel Consumption : average 20 liter / hour

Fuel Tank :

\* Tank Capacity : 200 ltr

\* Material Tank : Mild Steel thickness 3 mm

\* Level Control : Hose  $\varnothing$ 1/2"

\* Drain Port :  $\varnothing$ 1/2"

Water Scrubber : Pump, Piping with Water Tank

Maximum Water Pump Capacity 190 liter/min

Electricity 220 Volt, 50 Hz, 1 Phase, 370 Watt

Power Requirement : 1,2 kW / 220 Volt / 1phase / 50Hz

Control System :

\* Electric Control

\* Temperature Control : Digital

\* Thermocouple : Type – K.

\* Limit Switch

Ash : 5 – 10 % waste weight, Depend on Raw Materials

Ash Discharging : Manual

Feeding System : Manual

Operator Requirement : 1 Person

Area Requirement : 4 m x 5 m

Emission Quality According to Government Regulation for the following :

\* Smokeless

\* CO < 100 mg/Nm<sup>3</sup>

\* NO<sub>2</sub> < 300 mg/Nm<sup>3</sup>

\* Opacity < 10%

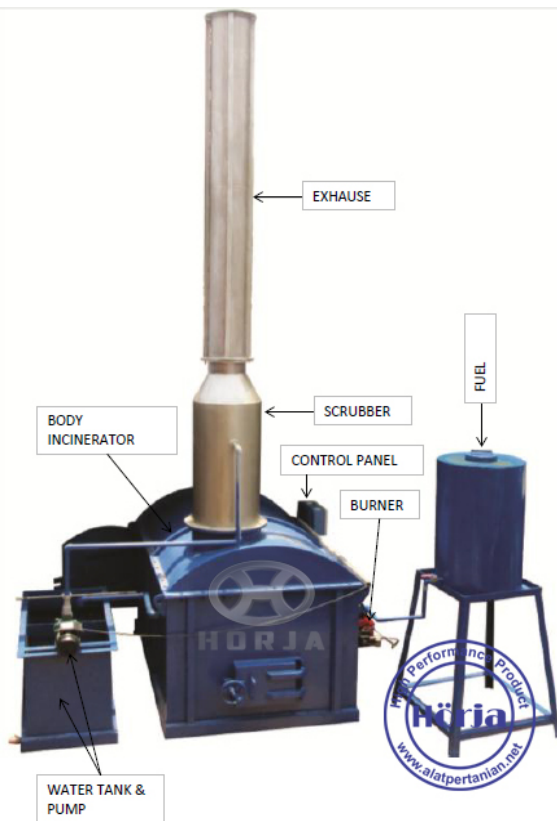
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### 2. Incinerator CAP. 0,35 m<sup>3</sup>/batch Double Burner with Scrubber



#### Spesifikasi :

Kapasitas : 105 Liter, density 0,15 = 15 Kg/batch

\* Operation Time : 8 hour/day

Chamber Volume :

\* 1st Chamber : 0.35 m<sup>3</sup> ( 68 cm x 68 cm x 76 cm)

\* Second Chamber : 0.15 m<sup>3</sup> ( L. 31 cm x W. 68 cm x. H.76 cm)

\* Incinerator Dimension (Outter)

- Length : 142 cm

- Width : 99 cm

- Height : 98 cm

Burner

\* 1st Burner : 5 ~ 10 liter/hour, Light Oil Burner, Qty : 1 unit

\* 2nd Burner : 5 ~ 10 liter/hour, Light Oil Burner, Qty : 1 unit

\* Motor : 220V / 50 Hz/ 1 Phase: 150 Watt x 2 : 300 Watt

Chamber Temperature :

\*1st Chamber : 800 ~ 1000°C

\*2nd Chamber :1000 ~ 1200°C

Exhaust Stack dan Scrubber

\* Scrubber dia : 450 mm x 1200 mm

\* Stack dia : 250 mm

\* Height : ± 8 m. from ground level

\* Sampling Port : Ø4"

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\* Coating : High Temp.Paint 600<sup>o</sup>

Insulation and Refractory Construction Materials :

\* Fire Brick : Fire Brick SK 34

\* Castable : CAJ-14

\* Ceramic Fibre : 128 kg/m<sup>3</sup>

\* Rockwool : 60 kg/m<sup>3</sup>

\* Glasswool : 20 kg/m<sup>3</sup>

\* Bottom : Insulating Brick

Shell & Structure Material Chamber :

\* Shell Plate : Mild Steel thickness 4 mm

\* Joint Flange : Mild Steel thickness 12 mm

\* Burner Port : Mild Steel thickness 10 mm

\* Plenum : Mild Steel thickness 6 mm

\* Lifter : Mild Steel thickness 12 mm

\* Structure : UNP 80 & UNP 50

\* Coating : Epoxy Paint

Blower 1 unit

\* Type Sentrifugal : Ø3 Inchi, 220V, 370W

\* RPM : 3000 / 3600

Diesel Oil Fuel Consumption : average 15 liter / hour

Fuel Tank :

\* Tank Capacity : 150 ltr

\* Material Tank : Mild Steel thickness 3 mm

\* Level Control : Hose Ø1/2"

\* Drain Port : Ø1/2"

Water Scrubber : Pump, Piping with Water Tank

Maximum Water Pump Capacity 190 liter/min

Electricity 220 Volt, 50 Hz, 1 Phase, 370 Watt

Power Requirement : 1,2 kW / 220 Volt / 1phase / 50Hz

Control System :

\* Electric Control

\* Temperature Control : Digital

\* Thermocouple : Type – K.

\* Limit Switch

Ash : 5 – 10 % waste weight, Depend on Raw Materials

Ash Discharging : Manual

Feeding System : Manual

Operator requirement : 1 Person

Area requirement : 3,8 m x 4,8 m

Emission quality according to government regulation for the following :

\* Smokeless

\* CO < 100 mg/Nm<sup>3</sup>

\* NO<sub>2</sub> < 300 mg/Nm<sup>3</sup>

\* Opacity < 10%

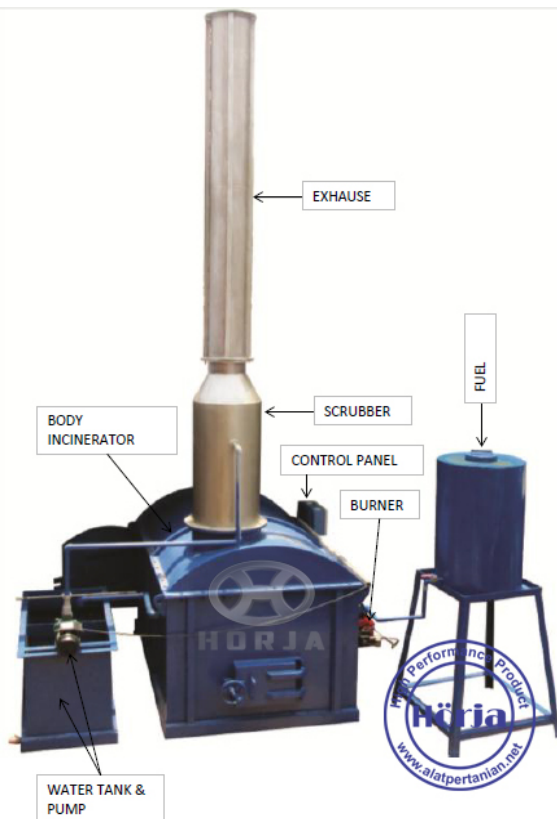
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### 3. Incinerator CAP. 0,20 m<sup>3</sup>/batch Double Burner with Scrubber



#### Spesifikasi :

Kapasitas : 60 Liter, density 0,15 = 9 Kg/batch

\* Operation time : 8 hour/day

Chamber Volume :

\* 1st Chamber : 0.2 m<sup>3</sup> ( 55 cm x 55 cm x 70 cm)

\* Second chamber : 0.1 m<sup>3</sup> ( L. 31 cm x W. 55 cm x. H.70 cm)

\* Incinerator dimension (Outter)

- Length : 129 cm

- Width : 86 cm

- Height : 85 cm

Burner

\* 1st Burner : 4 ~ 6 liter/hour, Light Oil Burner, Qty : 1 unit

\* 2nd Burner : 4 ~ 6 liter/hour, Light Oil Burner, Qty : 1 unit

\* Motor : 220V / 50 Hz/ 1 Phase: 150 Watt x 2 : 300 Watt

Chamber Temperature :

\* 1st Chamber : 800 ~ 1000°C

\* 2nd Chamber : 1000 ~ 1200°C

Exhaust Stack dan Scrubber

\* Scrubber dia : 450 mm x 1200 mm

\* Stack dia : 250 mm

\* Height : ± 8 m. from ground level

\* Sampling Port : Ø4"

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\* Coating : high temp.paint 600°

Insulation and refractory construction materials :

\* Fire brick : Fire Brick SK 34

\* Castable : CAJ-14

\* Ceramic fibre : 128 kg/m<sup>3</sup>

\* Rockwool : 60 kg/m<sup>3</sup>

\* Glaswool : 20 kg/m<sup>3</sup>

\* Bottom : Insulating Brick

Shell & Structure Material Chamber :

\* Shell plate : mild steel thickness 4 mm

\* Joint Flange : mild steel thickness 12 mm

\* Burner Port : mild steel thickness 10 mm

\* Plenum : mild steel thickness 6 mm

\* Lifter : mild steel thickness 12 mm

\* Structure : UNP 80 & UNP 50

\* Coating : epoxy paint

Blower 1 unit

\* Type Sentrifugal : Ø3 Inchi, 220V, 370W

\* RPM : 3000 / 3600

Diesel oil fuel consumption : average 12 liter / hour

Fuel Tank :

\* Tank Capacity : 120 ltr

\* Material Tank : Mild Steel thickness 3 mm

\* Level Control : Hose Ø1/2"

\* Drain Port : Ø1/2"

Water scrubber : pump, piping with water tank

Maximum water pump capacity 190 liter/min

Electricity 220 Volt, 50 Hz, 1 Phase, 370 Watt

Power requirement : 1,2 kW / 220 Volt / 1phase / 50Hz

Control System :

\* Electric control

\* Temperature control : digital

\* Thermocouple : type – K.

\* Limit switch

Ash : 5 – 10 % waste weight, depend on raw materials

Ash discharging : Manual

Feeding system : Manual

Warranty term : Six mont (service)

Operator requirement : 1 Person

Area Requirement : 3,5 m x 4,5 m

Emission quality according to government regulation for the following :

\* Smokeless

\* CO < 100 mg/Nm<sup>3</sup>

\* NO<sub>2</sub> < 300 mg/Nm<sup>3</sup>

\* Opacity < 10%

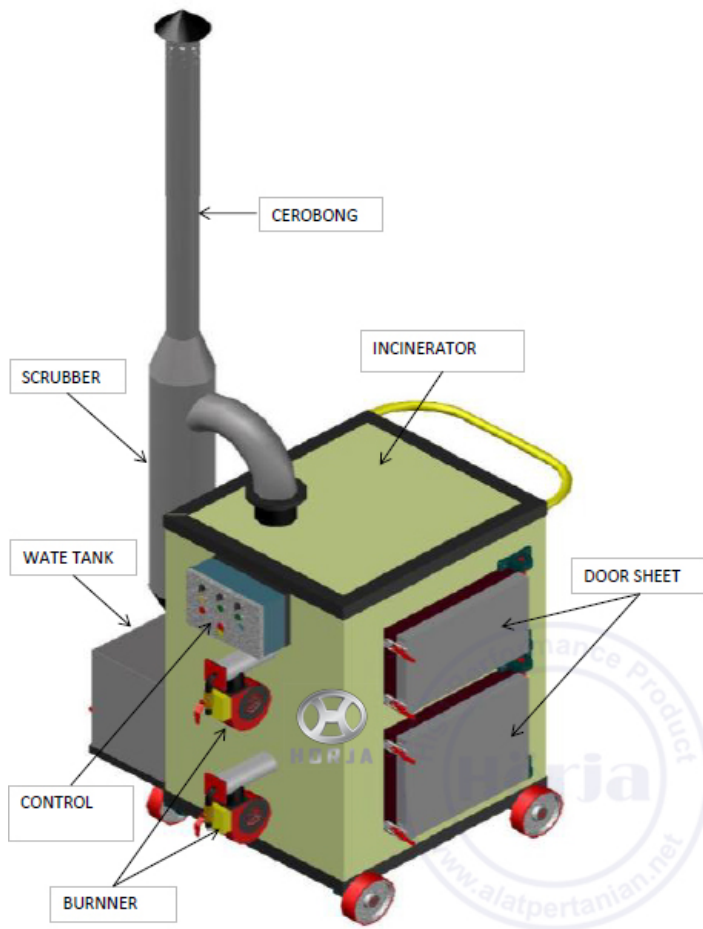
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### 4. Portable Incinerator CAP. 0,08 m<sup>3</sup>/batch Double Burner with Scrubber



Spesifikasi :

Kapasitas : 25 Liter, density 0,15 = 3,75 Kg/batch

Chamber Volume :

\* 1st chamber : 0,08 m<sup>3</sup> (L. 40 cm x W. 80 cm x H. 40 cm)

\* Second chamber : 0. 06 m<sup>3</sup> (L. 40 cm x W. 50 cm x. H.30 cm)

\* Incinerator body dimension (Outter)

- Length : 70 cm

- Width : 80 cm

- Height : 115 cm

LPG / Gas Burner :

\* 1st Burner : 4 ~ 6 Kg/hour, LPG, Qty : 1 unit

\* 2nd Burner : 4 ~ 6 Kg/hour, LPG, Qty : 1 unit

\* Motor : 220V / 50 Hz/ 1 Phase: 150 Watt x 2 : 300 Watt

Chamber Temperature :

\* 1st Chamber : 800 ~ 1000°C

\* 2nd Chamber : 1000 ~ 1200°C

Exhaust Stack dan Scrubber :

\* Scrubber dia : 350 mm x 600 mm stainless steel

\* Stack dia : 220 mm stainless steel

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\* Height :  $\pm$  3 m. from ground level

\* Sampling port :  $\varnothing$ 2"

Insulation and Refractory Construction Materials :

\* Fire Brick : Fire Brick SK 34

\* Castable : CAJ-14

\* Ceramic Fibre : 128 kg/m<sup>3</sup>

\* Glasswool : 20 kg/m<sup>3</sup>

Shell & Structure Material Chamber :

\* Shell plate : mild steel thickness 3 mm

\* Burner port : mild steel thickness 8 mm

\* Structure : l 50 mm x 50 mm x thicknes 5 mm

\* Coating : epoxy paint

Lpg gas consumption : 2 kg gas / day, gas botle excluding

Water scrubber : pump, piping with water tank

Maximum water pump capacity 190 liter/min

Electricity 220 volt, 50 hz, 1 phase, 370 watt

Power requirement : 1 kw / 220 volt / 1phase / 50hz

Control System :

\* Electric control

\* Temperature control : digital

\* Thermocouple : type – k.

\* Limit switch

Ash : 5 – 10 % waste weight, Depend on Raw Materials

Ash discharging : Manual

Feeding system : Manual

Operator requirement : 1 Person

Area requirement : 2 m x 2 m

Emission quality according to government regulation for the following :

\* Smokeless

\* CO < 100 mg/Nm<sup>3</sup>

\* NO<sub>2</sub> < 300 mg/Nm<sup>3</sup>

\* Opacity < 10%

## 5. Alat Penghancur Jarum Suntik bagian metalnya

- Body terbuat dari Stainless.



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